



SEGA OF AMERICA, INC.
Consumer Products Division

Rex Sabio
942

32X Development Equipment and Materials Menu

Doc # MAR-45-081594

© 1994 SEGA. All Rights Reserved.

32X Development Equipment Menu

Included below is a collection of equipment required on 32X development software. A description of each product is included to place orders.

32X Targets

Sega 32X Development Target Ver. 2.0	220-10819-00	HTSC writing attachment. 8000-CPU and 280-CPU are already mounted in sockets. Both the 68000 CPU master and slave are not mounted. PAL crystal set has the same packaging. Dimensions: 400W X 300D X 150H Weight: 4.0 Kg
SH-2 CPU mini-board	171-45800-0	Included in the Sega 32X Development target is the usually installed and removed exclusive power supply cable for the connector connection. (AMP) 172677-4-1 (AMP) 172677-2-4
Power cable for SH-2 CPU mini-board		Exclusive power supply cable used using the SH-2 CPU mini-board. About accessory parts. Connector format: (AMP) 172677-4-1 (AMP) 172677-4
Power cable for SH-2 Host-board		Exclusive power supply cable when using the SH-2 (V/A-board). Connector format: (AMP) 172677-4-1 (AMP) L 0-10-2000

Memory Board

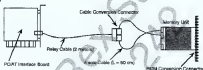
RAM Board	#07-11068	Has a 32 Kbit 68000 battery backup RAM (2M Kbit). Corresponds to bank. (new specifications)
ROM Board	#07-11069	32 Kbit ROM board (8 Kbit X 4) for 32 pin chip. Corresponds to bank. Includes 68K Rom battery backup RAM (new specifications). Example of chip used: #P077C4001CQ15 (access time T: 150 ns)
	#07-11070	32 Kbit / 64 Kbit ROM board (8 Kbit X 4) for 42 pin chip. Corresponds to bank. Includes 256 Kbit battery backup RAM (new specifications). Example of chip used: #M68-102742000-150 (access time T: 150 ns) #M68-7835-140000-150 (access time T: 150 ns)

ROM Emulator

PC/AT Interface Board	171-6681A	Inserted in PC/AT expansion slot, this interface board (with exclusive software) is for sending data to the memory unit. Includes 4 cable conversion connectors (171-6682A).
Memory Unit	804-8627	RAM unit with 16M capacity. Can be set using 1 Mbit, 4 Mbit, 8 Mbit, and 16 Mbit ROM.
Cartridge Adapter	837-10891A	Inserted in cartridge slot, this adapter board functions as a ROM board and includes a 2Mbit ROM battery backup RAM.
Relay Cable		Connecting cable between PC/AT and ROM emulator (mini DIN ↔ mini DIN, L=2 m).
4-Wire Cable	600-6179-500	Mainly for connecting the cable conversion connector and memory unit (L = 60 cm).
	600-6179-100	Mainly for connecting between 2-wire units (L = 10 cm).
ROM Conversion Adapter 32 pin	831-4930	32 Pin ROM Pin (ROMless)
ROM Conversion Adapter 40 pin	831-4934	40 Pin ROM Pin (ROMless)
ROM Conversion Adapter 48 pin	831-4937	48 Pin ROM Pin (ROMless)

Matching Example

A. When there is one memory unit

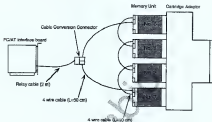


Required Equipment

- PC/AT Interface Board 171-6681A (with exclusive software) 1 set
 - four cable conversion connectors (171-6682A) 1 set
 - Memory Unit 804-8627 1 unit
 - Relay Cable (mini DIN ↔ mini DIN, L = 2 meters) 1 cable
 - 4-Wire Cable 600-6179-500 2 cables
 - ROM Conversion Adapter 1 cable
- (select those with required number of pins)



B. When using the cartridge adapter with four memory units



Required Equipment

- | | |
|--|-----------|
| • PC/AT Interface Board: 171-6661A (with exclusive software) | 1 set |
| • four cable conversion connectors (171-6661A) | 1 set |
| • Memory Unit: 804-8627 | 4 units |
| • Cartridge Adapter: 803-8039A | 1 adapter |
| • Relay Cable (mini DIN → mini DIN, L = 2meters) | 1 cable |
| • 4 Wire Cable: 600-8179/860 | 2 cables |
| • 4 Wire Cable: 600-8179-100 | 3 cables |

Address Checker

When accessing an area whose use is not permitted by a game program, the board halts the CPU and shows the address and data information at that time.

Use with Mega Drive	807-0028-MD	Connects to the 68000 CPU socket of the Mega CD Development Target and includes an available 64 pin socket adapter
Use with Mega CD	807-0028-CD	Connects to the 68000 CPU socket of the Mega CD Interface board and includes an available 64 pin socket adapter

Note The same type is used for the Mega Drive and Mega CD; however, the built-in game away is different.

Other Equipment

AV Cable	800-0019-01	DIN plug ↔ PH plug
	800-0187	mini DIN plug ↔ PH plug
8 button pad	8A-0000	8 button control pad
AC Adapter	8A-000A	Output DC 8V 1.2 A 
	8A-000	Output DC 10V 850 mA 

